

Noted Vatican Organist Performs Here Tonight

Fernando Germani, famous Vatican organist, will make his first appearance in Provo Monday evening as a member of the Brigham Young University Community Concert series and also as a part of the Fine Arts Festival, which is being conducted this month.

Germani will perform at 8:15 p.m. in Smith Auditorium. **MIR. GERMANI** will open his concert with "Toccata No. 7" by M. Roasi, followed by "Passegella No. 5" and "Battala Imperia" by Johann Cabanilles.

Y's Fest Panel

Consider Poetry/Religion

The first of two panels concerning poetry and religion will open the involved relationship between poetry and religion.

EV WILL ASK. "Does poetry affirm the inner vitality of man?" second, "Does religion affirm the inner vitality of man?" and third, "Does religion affirm the inner vitality of poetry?"

The panel will be held from 8 p.m. in the multi-purpose room of the Smith Family Living Center. Student body and faculty are invited.

The panel is a part of the Arts Festival now in progress on campus. To stimulate creative work in religious art, the state and the church, the purpose of the festival includes presentations by art, music, speech and English departments.

THE ENGLISH DEPT., which is sponsoring the poetry festival, will also present a lecture-demonstration on the use of Morris resources in literary creation on May 1.

Cooperation between various departments for the purpose of demonstrating the relationship between the different arts.

Provo Community to Get Annual Cleanup May 3

Y's Work . . . Y's Play . . . Y's Day.

WORK AND PLAY—just the right proportion of each are the ingredients of this year's Y Day, which will be May 3.

Students will follow tradition in spending part of the day cleaning projects around town and on campus, tawashing the Y letter on the mountain and letting off steam in group games and with entertainment.

THE DAY will begin with "Gadianton bands" circling campus to wake up the church on reluctant risers. It will be on the tennis courts.

Many yards are planning breakfasts for this day, which they only "legal holiday" on campus during spring semester. After eating, students will join en masse in a giant rucking of the winter-dirty campus and town, as well as in tawashing the Y.

WARDS AND ORGANIZATIONS will be found in such areas as polishing fire truck brass or if gleams (and sliding down the pole), wing around tombstones for the spring d's cache of paper and weed and clean up the outside remains of 1,000 candy bars.

Customarily students work with an organization to which they belong unless no organization is participating in Y Day. They then work with the ward of which they are a member.

AFTER THE WORK is done, play begins, when students gather in the fieldhouse, the most important element of any day—d.

Lunch will be served to all student who are worked on Y Day projects. A pass will be given to all participating students to allow them to eat and to participate in recreation in the afternoon. This year, however, witty cards must also be presented at chime.

PIE-EATING CONTEST, faculty race on balloon-tired bicycles, a custom sports show, the football game and dance will highlight this one day when students must be behind their beloved books and will not the faces of revered professors.

Chairmen are Wayne Burton and Berreyker.

Vol. 13, No. 134

Monday, April 24, 1961

Provo, Utah

Mutual Interest in Preventing War Will Decide US-Red Arms Control

NEW YORK, April 24 (UPI)—The question of arms control rests essentially on recognition that the United States and Russia have strong mutual interests in preventing a war, a report issued by the Twentieth Century Foundation said today.

But the most dangerous aspect of today's balance of power is that if war came present strategic weapons would provide an enormous advantage to the side that struck first, the report said.

"Both American and Russian strategic doctrines reflect preoccupations with the urgency of attacking in the event of evidence that the other is about to," the report by two members of Harvard University's Center for International Affairs said.

"THE GREATER the urgency with which the decision must be made in the event of alarm, the greater the likelihood of converting a false alarm into war itself," they warned.

The report, titled "Strategy and Arms Control," said inspection procedures—at present the massive stumbling block in the Geneva Nuclear Test Ban negotiations—have been overemphasized. "Inspection . . . is but

one of a series of problems involved in making arms control work," it said.

IT SAID a paradox of arms control was that armament advances might actually reduce weapons stockpiles and lessen the possibility of a war by mistake.

"If both Soviet and American forces should succeed, through cooperative measures or unilaterally in developing reasonably invulnerable retaliatory systems, so that neither could disarm the other in a sudden attack . . . A large reduction in numbers might come naturally," it said.

THE AUTHORS of the report were Thomas C. Schelling and Morton H. Halperin.

Y Women Plan Awards Night, Nominate Now

The 1961 Annals of Achievement night, under the theme "Life's Artistry," is scheduled for May 10, and application forms are now available in the AWS office in the Student Service Center.

Sue Boyack, this year's chairman, encourages the nomination of girls deserving of these honors, and anyone is eligible to nominate. Applications must be turned in to the AWS office by 4 p.m. Monday, May 1. Accompanying each form must be two letters of recommendation: one from the nominator, and one from a bishop, teacher, etc.

A COMMITTEE of faculty members and students will select one girl on the basis of outstanding leadership and service, from the freshman, sophomore, and junior classes. Recognition will also be given to the outstanding girls of the senior class, and one girl from each college will be chosen by her dean to be honored also.

The girls this year honored last year were Judy Fullmer of the freshman class, Joan Thoman of the sophomore class, Marcia Bradshaw, a junior, and Maxine Lewis, a senior. Judy is now president of Spurs service unit, Joan is president of White Key this year, and Marcia is president of Gamma Phi Omicron, the national home economics honorary organization.

If there are any questions concerning the applications, call Lynn Varner at extension 3013.

Test Delay Caused By Disputes

WASHINGTON, April 24 (UPI)—A House Space Committee member said today "extremely important experiments" in nuclear testing have been delayed because of a dispute between the Civilian Space Agency and the Atomic Energy Commission (AEC).

Rep. Charles A. Mosher, R-Ohio, made the charge in a report to committee chairman C. W. Everett Brooks, D-La., about the Plum Brook Reactor facility.

MOSHER SAID the National Aeronautics and Space Administration's nuclear testing program "is troubled and to some degree frustrated by a smoldering jurisdictional dispute with the AEC."

"Some extremely important experiments," he added, "are not being done because of that dispute of lack of a decision as to which agency will do the work."

THE PLUM Brook reactor, located near Sandusky, Ohio, will be used to test materials and components for advanced propulsion systems.

It is designed to simulate the environment of outer space and eliminate faulty materials before they actually are launched.

Smith Office Has Tickets For 'Figaro'

One of the many features in the BYU Fine Arts Festival, which continues through May 5, is the Mozart opera, "The Marriage of Figaro."

THE PRODUCTION is scheduled for presentation April 21, 28, 29 and May 1 in the Joseph Smith Auditorium at 8:15 p.m. Tickets are now available at the Smith ticket office. BYU students can get tickets with their activity cards.

Music instructor Brandt E. Curtis will direct the four-act opera which tells the story of Figaro, a steward in the castle of Count Almaviva.

HE HAS INCURRED a debt from Marcellina, the housekeeper, and has promised to marry her if the debt is not paid by a certain time. But Figaro is in love with Susanna, the countess's chambermaid.

The count has fallen in love with Susanna also and plans to force Figaro to keep his bargain with Marcellina. Through a little intrigue on the part of the young couple and the countess, Marcellina is revealed to be Figaro's unknown mother, and the count is thwarted in his plans.

The opera will be double-cast with Thursday and Monday cast members listed first.

IN THE TITLE role of Figaro, the steward, will be Boyce Hancock and Ken Wilkes, with Lurline Levar and Colleen Redford as his beloved Susanna. The Count and Countess Almaviva roles will be sung by Noel Twitshell and Roy Samuelsen and Nancy Ensey and Judy Nielson. Joan Shaw and Marcia Hoyt will be seen as Marcellina, the housekeeper. Basilio, the music master who conducts a little intrigue for the Count, will be Brent Weaver and Richard Brimhall. Cherubino, the page, will be Nancy Folsom and Diane Heder.

OTHER members of the cast are Brent Shaw and Richard Jostis, Bartolo; Arvid Willden and Bill Ashmore, Don Curzio; Charles Curtis and Herb Greer, Antonio; and Sherry Lynn Hitt and Suzanne Sanborn, Barbarina. Assisting Mr. Curtis in the production are Kenneth Noble, choral director; Charles Henson, scene designer; Carol Michie, costumer; Harold Oaks, stage manager; and Solomon Aranda, painter.



BUCKET BRIGADE—No, the contents of the pails is not the traditional fire-fighting liquid. But it will do wonders for the 'Y' restoring the white sheen of the emblem and the sparkle in the eyes of the Y student as he looks toward the mountain.

ROTC Riflers State Champs After A. C. Win

The rifle drill team of Brigham Young University's ROTC emerged with top honors and became state champions in rifle drill competition recently.

THE DRILL MEET was held on the Utah State University campus in Logan, leader was drill commander Robert Tanner.

With this win under their belts, the rifle drill team will be preparing during the next three weeks for the Area "C" competition, which will be held the weekend of May 12 on the BYU campus.

TEAMS FROM the seven Western states and Hawaii will be represented.

Some of these teams recently competed in the Cherry Blossom Festival in Washington, D. C.

Quickie . . .

Want to Twirl Flag?

Tryouts for flag-twirlers will be held Thursday. Girls interested should be practicing and should apply in the Student Relations office, basement Student Service Center.

Murphy Receives 3-Year Scholarship For Doctoral Work



SHELDON R. MURPHY

Sheldon R. Murphy, a chemical engineering student who will graduate this spring, has received a three-year National Defense Education Act scholarship.

IT WILL BE applied to doctoral work in chemical engineering at the University of Utah.

The scholarship, which varies with the situation of the recipient, will amount to \$10,200 for Murphy, who is married and the father of a young girl.

MURPHY HAS been an assistant in the College of Physical Sciences this year, teaching under Dean Armin J. Hill. He and his wife LaWynn are dorm parents for Felt and Fox Halls in Heritage Halls.

He is ward clerk in the BYU 3rd Ward and was chairman of Engineering Week this year.



This Week We Honor . . .

Sherri Olpin to Graduate at 19; Samuelsen Achieves in Music



SHERRI OLPIN

This week the College of Fine Arts honors senior Sherri Lynne Olpin, originally from McGill, Nevada. Sherri is majoring in commercial art and minoring in Spanish.

A GRADUATE of Provo High School, Sherri was active in school affairs. She was a member of the Spirit Committee and in her senior year she served on the Board of Control and was editor of the school yearbook.

Sherri entered Brigham Young University on an academic scholarship awarded by her high school. While a freshman she was a member of Theta Alpha.

IN 1959 SHE designed the Orchestra float for the Homecoming Parade, which was selected the most beautiful, and has been a member of Orchestra for the past two years. She was also a member of the Art Guild last year.

Sherri will complete her college education this August, after going for three years, including summer sessions, and she will graduate at the age of 19. She plans to work for an advertising agency somewhere in the Salt Lake area after she graduates.

She is engaged to Douglas Johnson.



ROY SAMUELSEN

Roy Samuelsen, a senior majoring in music education is being honored this week. Roy was born in Norway and came to America with his parents and sister in 1950, when he was 17, settling in Provo. He attended Provo High one year and then worked a year as a sheet-metal worker.

IN 1952 ROY enrolled at BYU for two quarters before serving in the Army for two years in Germany.

He returned to the United States in 1953 and married Mary Lou Thorne, a former BYU coed, and continued doing sheet-metal work and going to night school until he obtained his apprenticeship in 1958. He then became a full-time student at the Y.

ROY HAS WON many accolades with his baritone voice. In 1956 he won first place in the Utah State Fair Music Contest, and in 1957 he was runner-up in the San Francisco Opera Contest. In the summer of 1958 he spent six weeks attending the San Francisco Opera School.

In 1960 Roy had the lead in the summer opera at the Academy of the West in Santa Barbara. Also in 1960, he won the Utah Young Artist's Contest after which he put on three complete concerts in a lyceum series.

THIS YEAR he was awarded the Henry J. Lanning award in New York. Roy has also sung for the Utah Symphony and the Civic Opera Co.

After he graduates in June, Roy plans to continue school and obtain his Master's Degree and combine teaching with professional singing.

Watch For...

Bodybuilders will meet Monday at 7 p.m. 154 Smith. Postponed. The business meeting will be followed by a workout. Tickets will be taken for food and preparations made for the coming weight-lifting meet.

East Central States students and managers will go to the Utah Temple for a ball game and entertainment with call girls. Admission, FR 3-5125 for further information.

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Has Three Telescopes In One, Plus Camera to Aid Star, Moon Study

by Errol Gent

Universe Feature Writer

The moon appears 300 times closer to the Brigham Young University campus when the 24-inch reflecting telescope of the Orson Pratt Astronomical Observatory, atop the Eyring Science Center, is put into operation.

The telescope, which was installed in June, 1959, is the largest in Utah and is one of the best such instruments in the western United States. It was built by Tinsley Laboratories of Berkeley, Calif., and is used for astrophysics research at BYU and in the planetarium demonstrations.

It is a magnificent instrument, capable of bringing the celestial bodies within easier study range. The mechanical operation is such that it can be set to track the stars and will move to match their apparent movement as the earth revolves upon its axis.

According to Dr. Delbert H. McNamara, who has charge of the \$40,000 instrument, it is actually three telescopes in one, plus a camera. It has both the Cassegrain focus and the Newtonian focus, as well as a six-inch refracting telescope attached which is used to guide the larger instrument and takes images of stars and planets fine definition.

A NEWTONIAN focus diverts the prime focus off to the side of the telescope, to a place convenient for both visual and photographic work.

A Cassegrain focus places the focal point at the bottom end of the scope. This position of the focus is more convenient than the Newtonian focus for use of auxiliary instruments. The observer can easily reach the focus mechanism and can guide the instrument with ease.

A 24-INCH reflecting mirror is what makes the scope such a powerful magnifier. This concave mirror, set at one end of the scope, has a hole in the center through which reflected light or image is transmitted to a smaller lens and again reflected to the eyepiece to be viewed by the observer.

The scope makes possible magnification up to 1400 times, but its normal usage power is 300 times the power of the naked

eye, Dr. McNamara said.

A REFLECTOR telescope

brings the starlight to a focus by reflection from a mirror. The surface of the mirror, instead of being flat like a looking glass, slopes gradually downward toward its center like a saucer. The upper surface of the mirror is covered with a bright, reflecting coat of aluminum. The image is reflected to a small lens and then reflected to the eyepiece. This briefly is the principle of the reflecting telescope.

IN THE SIX-INCH refracting scope, the starlight, as it passes through the lens, is bent, or refracted by the curved surface of the glass so that it is brought together at a bright spot, called the focus. The lens acts upon the light passing through it as a burning glass acts upon sunlight, concentrating it into one bright spot.

The largest lens scope in operation today is 40 inches in diameter, while the largest reflector is 200 inches in diameter. Size is one of the many advantages that a reflector has over a lens. A refractor type telescope has an advantage in that stars as a rule, appear sharper and bet-

ter defined when viewed through it.

PERHAPS the most unique feature of the BYU scope is the Baker correction attachment which converts the visual scope into a wide angle camera capable of photographing 40 times more area without distortion than would be possible without the corrector.

The Baker corrector photographs a 25 degree section of sky on a plate seven inches square. This attachment makes it one of the most versatile instruments in the world. The instrument is operated by an electric motor.

IN ORDER to realize the full potential of the telescope as an astronomical research tool, the Physics Department built a photoelectric photometer last year, which is attached to the Cassegrainian focus.

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STAR GAZER—Steve Lewis examines BYU's 24-inch reflecting telescope. The \$40,000 instrument is the biggest in Utah and can magnify up to 1400 times.

Survey Reveals Many Americans Lack Belief Religious Doctrines

by Louis Cassels
Inter Press International
n and Ellen Jones are "achurch members."

My get up early every Sunday morning to bring their children to the 9:15 family service at the Suburban Heights Presbyterian

where I was raised a Baptist, and grew up in the Episcopal. But they joined the Lutheran church when they moved into their new neighborhood because it is close to their home, and most of their playmates go to Sunday school there.

They have become, in their own favorite phrase, deeply "lapsed" in the life of their religion. John is an usher and Ellen is chairman of the Every Body Canvass last fall. Ellen says a Sunday School class, never says no when she's asked to help with a church supper or a bake sale.

Recently one of the Joneses was seriously injured in an accident. The pastor joined Ellen and John in their anxiety at the hospital. It was the time he had had occasion to talk with them, on a deeper than polite conversation, of life and death and the meaning of the Christian faith.

WAS started to discover John did not believe in life death, and that Ellen was still attached to the idea of resurrection. Neither more than a vague concept of the Christian teaching of resurrection and eternal

depth interviews conducted by professionally trained workers under the direction of Prof. Roy W. Fairchild of San Francisco Theological Seminary and John Charles Wynn of Colgate Rochester Divinity School. The findings have just been published by Association Press in a book entitled "Families in the Church: A Protestant Survey."

This is the most careful and comprehensive effort yet made to answer a question that has long haunted clergymen:

How real and how deep is the millions of Americans who have joined churches in the postwar "Religious Revival?"

In the words of Profs. Fairchild and Wynn, the findings are "sobering."

\$500 Awarded To Accounting Major

Raymond R. Charters, a senior accounting major from Birge, Wash., was the recipient of a \$500 award from the Haskins and Sells Foundation presented April 12.

THE AWARD is given to outstanding accounting majors in their senior year. They are selected on the basis of scholarship and promise shown for success in the public accounting profession.

The award, to be given for five years at Brigham Young University, was presented for the second time this year.

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STUDENT HOLIDAYS TOUR OF EUROPE, \$15.72 per day plus air fare. Escorted 42-day tour includes visits to cultural centers, sightseeing in France, Switzerland, Italy, Austria, Germany, Luxembourg, Denmark, Sweden, Norway, Scotland, England, Holland and Belgium. Plenty of free time, entertainment. Hotel, meals, everything included for \$15.72 per day, plus Air France Jet Economy round-trip fare.

CLUB MEDITERRANEE, \$13.26 per day plus air fare. Here's a 21-day tour that features 3 days on your own in Paris, a week's sightseeing in Rome, Capri, Naples and Pompeii, plus 9 fun-filled, sun-filled, fabulous days and cool, exciting nights at the Polynesian-style Club Mediterranee on the romantic island of Sicily. Spend your days basking on the beach, swimming, sailing — even nights partying, singing, dancing. Accommodations, meals, everything only \$13.26 per day complete, plus Air France Jet Economy round-trip fare.

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